

# INVENGO TR-HA1 HF WAND ANTENNA



## About Invengo's TR-HA1 HF Wand Antenna

Invengo's TR-HA1 is a high frequency RFID Antenna manufactured as a convenient handheld wand. It quickly and accurately identifies information from RFID-tagged items to facilitate item check-in/check-out and for inventory tracking. The precise reading capabilities, small size, and rugged package make it an ideal RFID Antenna for industrial laundries where accuracy, efficiency and durability are required.



Invengo's Textile Services division provides an innovative and highly performant IoT Linen Inventory Management Platform (ACUITY), enabling the industrial Laundry industry worldwide as well as their Hospitality and Healthcare customers, to gain continuous access to real-time inventory visibility/availability of their textile assets and to make intelligent business decisions to increase their profitability.

Invengo Technology Pte. Ltd. (Singapore) is the International Headquarters of Invengo Information Technology Co. Ltd, listed on Shenzhen Stock Exchange (SZSE: 002161.SZ). Employing over 600 people globally, Invengo is one of the largest publicly traded, RFID/IoT oriented companies in the world.

## Key Benefits

- Light-weight portable HF antenna
- Robust, able to withstand harsh conditions
- Featuring a convenient on/off push button for on-demand read mode

## Product Specifications

### Electrical

<b>Operating Frequency</b>	13,56 MHz
<b>RF Input Power Max</b>	1W
<b>Cable</b>	2 m (6.5 feet) built-in cable
<b>Connector Type</b>	BNC Plug
<b>Reader Compatibility</b>	Invengo Medio L40, Medio Pxxx family
<b>Impedance</b>	50 Ohms

### Mechanical

<b>Dimensions</b>	430 x 120 mm x 40 mm (16.9 x 4.72 x 1.6 in)
<b>Weight</b>	450 g (15.87 oz)
<b>Casing</b>	ABS and aluminium
<b>Operating Temperature</b>	0°C to 50°C (32°F to 122°F)
<b>Additional Feature</b>	ON/OFF push button for on-demand read mode

<b>Product reference</b>	DDP11898
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## Additional Information

While its rugged design is intended to withstand harsh conditions within industrial laundries, the TR-HA1 is light and portable, making it easy to identify RFID-tagged items in stack or piles, or on hangers. A convenient on/off push button activates the RFID reading process.

Combining the TR-HA1 with Invengo's Medio mid-range or long-range readers and high frequency RFID tags provides a robust portable RFID infrastructure solution for industrial laundries.

Thanks to Invengo's extensive cross-industry experience in designing, manufacturing, and integrating RFID infrastructure systems, we offer high quality, competitively priced antennas adapted to a variety of applications. Invengo's RFID antennas are available as OEM boards, PCB-based loops and light handheld inventory wands.

### APAC

**Invengo Technology Pte. Ltd**  
10 Kallang Avenue  
#05-15 Tower 2, Aperia  
Singapore 339510

Office: +65 6702 3909  
sales.textile@invengo.com

### Americas

**Invengo Technology Corp.**  
2700-160 Sumner Blvd.  
Raleigh, NC 27616  
United States of America

Office: +1 919 890 0202  
sales.textile@invengo.com

### EMEA

**Invengo Technologies**  
180 Voie Ariane – Athélia 1  
13600 La Ciotat  
France

Office: +33 413 96 1111  
sales.textile@invengo.com